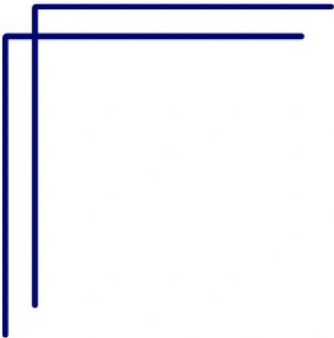
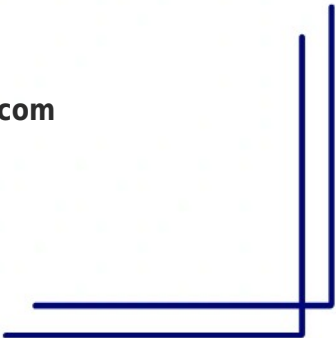




LABdex



Real-Time Quantitative PCR LX108RTP



Email: info@labdex.com **website:** www.labdex.com

Description

Real-Time Quantitative PCR LX108RTP the product is designed with variety of advance technologies like windows operating system, LCD touch screen function, one touch command and the function of the qualitative PCR product perfect to the extreme, powerful features will meet the higher requirements of an experiment. It is designed for the flexible use like Message alarm system indicate the status of machine and the USB port update software and firmware etc. and it has fast and uniform heating system.

Specifications

Sample capacity	96 wells
Reaction volume	0-100 µl
Consumables	0.2ml 96-well plates 0.2 ml 8-strip tubes, 0.2 ml PCR single tube (Optical flat cap, Clear tube)
Heating /cooling function	Heating /cooling method: Peltier Max heating rate: 6.1°C/sec Max cooling rate: 5.0°C/sec Average heating rate: 4.5°C/sec Average cooling rate: 5.0°C/sec
Temperature	Temperature range: 0°C -100°C Temperature accuracy: ±0.1°C Temperature uniformity: ±0.2°C
Gradient	Gradient range: 1°C-40°C Gradient block: 12 row
Excitation source	6LEDs
Detector	Detector: Photodiode Detection position: Excitation and scan from top Detection method: 6 channels scanning at the same time, No edge effect Detection time: 7 seconds for 48 wells for all channels
Range of excitation / Emission wavelengths (nm)	Ch1: 465 / 510 (FAM,SYBR Green I, SYTO9, Eva green, LC Green) Ch2: 527 / 563 (HEX, VIC, TET, JOE) Ch3: 580 / 616 (ROX, Texas Red) Ch4: 632 / 664 (Cy5) Ch5: 680 / 730 (Alexa fluor680) Ch6: 465 / 616 (FRET)

Probe	Taqman Probe, Molecular beacons probe, Scorpion probe, FRET
Multiplexing	Up to 6 targets
Fluorescence	Fluorescence linearity: $r \geq 0.990$ Fluorescence dynamic range: Adjustable
Sample performance	Sample linearity: $r \geq 0.990$ Sample repeatability: Ct value $CV \leq 0.5\%$ Sample dynamic range: 1-1010 copies
Data analysis modes	Qualitative analysis, Absolute quantification, Relative quantification, Genotyping analysis, Endpoint analysis, Melt curve analysis, High Resolution Melting
Memory capacity	1000
LIS connection	CSV, Excel, TXT format data output, Open port for LIS connection
Work environment temperature	10°C ~ 30°C, Humidity: 20% ~ 85%
Communication port	1 Ethernet and 3 USB
Power	AC 100 to 125 V / 200 to 240 V (50/60 Hz)
Power consumption	900VA
Dimension (W x D x H)	355 x 480 x 485 mm
Weight	30 kg

Features

- ~ 10.4-inch touch screen with PC direct control
- ~ Sensitive and precise optical system
- ~ Need only 7 sec for all 48 wells of fluorescence scanning
- ~ Support two configurations: standalone configurations by 10.4-inch touch screen and PC control configuration by PC software control via connection
- ~ Fast and uniform heating system
- ~ The administrator can set function limits for users
- ~ Automatically start running experiments after power supply, no need to wait for PC software
- ~ All the information is on the screen (Run monitoring)

- ˘ Multi-option Analytical method for different requirements

Applications

- ˘ Used for quantitative and semi-quantitative analysis for real-time PCR to diagnose clinical diseases, animal diseases, food safety, research purposes, etc.



71-75 Shelton Street Covent Garden, London WC2H 9JQ UK.

Email: info@labdex.com | Website: www.labdex.com